



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

**Subject: Analytical Testing Results - Project R10S45
SDG: 10049A**

**From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2**

**To: Lynda Deschambault
California Site Cleanup Section 1
SFD-7-1**

Attached are the results from the analysis of samples from the **GSWC Pioneer 1,2,3 & Dace 1 Influent Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

CC: Tom Perina, CH2M-Hill, Inc.
Kate Brophy, Golden State Water Co.

Electronic CC: Tom Perina, CH2M-Hill
Daniel Jablonski, CH2M-Hill
Kate Brophy, Golden State Water Co.

Analyses included in this report:

PAHs by GC/MS SIM



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804

Phone:(510) 412-2300

Fax:(510) 412-2302

Project Manager: Lynda Deschambault

Project Number: R10S45

Project: GSWC Pioneer 1,2,3 & Dace 1 Influent
Sampling

California Site Cleanup Section 1

75 Hawthorne Street

San Francisco CA, 94105

SDG: 10049A

Reported: 03/12/10 11:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Y5QZ2	1002017-01	Water	02/17/10 09:40	02/18/10 09:55
Y5QZ3	1002017-02	Water	02/17/10 10:30	02/18/10 09:55
Y5QZ4	1002017-03	Water	02/17/10 11:50	02/18/10 09:55
Y5QZ5	1002017-04	Water	02/17/10 11:59	02/18/10 09:55

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Work Order(s)

1002017



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1002017-01						Water - Sampled: 02/17/10 09:40			
Sample ID: Y5QZ2						Semivolatiles Organic Compounds by EPA Method 8270D			
Benzo(a)pyrene		ND	U	100	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			92 %	33-112%		"	"	"	
Surrogate: Terphenyl-d14			120 %	38-129%		"	"	"	
Lab ID: 1002017-02						Water - Sampled: 02/17/10 10:30			
Sample ID: Y5QZ3						Semivolatiles Organic Compounds by EPA Method 8270D			
Benzo(a)pyrene		ND	U	95	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			77 %	33-112%		"	"	"	
Surrogate: Terphenyl-d14			109 %	38-129%		"	"	"	
Lab ID: 1002017-03						Water - Sampled: 02/17/10 11:50			
Sample ID: Y5QZ4						Semivolatiles Organic Compounds by EPA Method 8270D			
Benzo(a)pyrene		ND	U	100	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			89 %	33-112%		"	"	"	
Surrogate: Terphenyl-d14			112 %	38-129%		"	"	"	
Lab ID: 1002017-04						Water - Sampled: 02/17/10 11:59			
Sample ID: Y5QZ5						Semivolatiles Organic Compounds by EPA Method 8270D			
Benzo(a)pyrene		ND	U	100	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			69 %	33-112%		"	"	"	
Surrogate: Terphenyl-d14			102 %	38-129%		"	"	"	



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B0B0124 - 3510B Sep Funnel - PAH-Low

Prepared: 02/22/10 Analyzed: 03/02/10

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Blank (B0B0124-BLK1)

Benzo(a)pyrene	ND	U	50	ng/L						
Surrogate: 2-Fluorobiphenyl	3380			"	5000		68	33-112		
Surrogate: Terphenyl-d14	6130			"	5000		123	38-129		

Blank (B0B0124-BLK2)

Benzo(a)pyrene	ND	U	50	ng/L						
Surrogate: 2-Fluorobiphenyl	4020			"	5000		80	33-112		
Surrogate: Terphenyl-d14	6890			"	5000		138	38-129		

LCS (B0B0124-BS1)

Benzo(a)pyrene	4,030		50	ng/L	4000		101	40-129		
Surrogate: 2-Fluorobiphenyl	3440			"	5000		69	33-112		
Surrogate: Terphenyl-d14	5180			"	5000		104	38-129		

Matrix Spike (B0B0124-MS1)

Source: 1002017-01

Benzo(a)pyrene	2,660		50	ng/L	3830	ND	70	36-119		
Surrogate: 2-Fluorobiphenyl	4110			"	4790		86	33-112		
Surrogate: Terphenyl-d14	4200			"	4790		88	38-129		

Matrix Spike Dup (B0B0124-MSD1)

Source: 1002017-01

Benzo(a)pyrene	2,640		50	ng/L	3840	ND	69	36-119	1	23
Surrogate: 2-Fluorobiphenyl	3810			"	4800		79	33-112		
Surrogate: Terphenyl-d14	4540			"	4800		95	38-129		



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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.